

diethyl phthalate 84-66-2 MSDS

Name:	Diethyl Phthalate 99% Material Safety Data Sheet
Synonym:	
CAS:	84-66-2

Section 1 - Chemical Product

MSDS Name: Diethyl Phthalate 99% Material Safety Data Sheet

Synonym:

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
84-66-2	Diethyl Phthalate	99	201-550-6

Hazard Symbols: XI

Risk Phrases: 36/37/38

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye:

Contact produces irritation, tearing, and burning pain.

Skin:

Causes skin irritation.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation:

Causes respiratory tract irritation. May cause narcotic effects in high concentration.

Chronic:

May cause fetal effects.

Section 4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical aid.

Notes to Physician:

Section 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray to cool fire-exposed containers.

Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

Section 7 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Use only in a well-ventilated area.

Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149.

Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: colourless

Odor: Odorless.

pH: Not available.
Vapor Pressure: 14 mm Hg @163C
Viscosity: 12 cPs 20 deg C
Boiling Point: 298 - 299 deg C @ 760.00mm Hg
Freezing/Melting Point: -3 deg C
Autoignition Temperature: Not available.
Flash Point: 160 deg C (320.00 deg F)
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water: IN WATER: 0.15% (25°C)
Specific Gravity/Density: 1.1180g/cm³
Molecular Formula: C₁₂H₁₄O₄
Molecular Weight: 222.24

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable.

Conditions to Avoid:

Not available.

Incompatibilities with Other Materials:

Strong acids such as nitric acid, strong oxidizing agents, and permanganates.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 84-66-2: TI1050000 LD50/LC50:

CAS# 84-66-2: Oral, mouse: LD50 = 6172 mg/kg; Oral, rabbit: LD50 = 1 gm/kg; Oral, rat: LD50 = 8600 mg/kg.

Carcinogenicity:

Diethyl Phthalate - ACGIH: A4 - Not Classifiable as a Human Carcinogen See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - TRANSPORT INFORMATION

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system
and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately
with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face
protection.

WGK (Water Danger/Protection)

CAS# 84-66-2: 2

United Kingdom Occupational Exposure Limits

CAS# 84-66-2: OES-United Kingdom, TWA 5 mg/m³ TWA

CAS# 84-66-2: OES-United Kingdom, STEL 10 mg/m³ STEL

Canada

CAS# 84-66-2 is listed on Canada's DSL List.

CAS# 84-66-2 is listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 84-66-2: OEL-AUSTRALIA:TWA 5 mg/m³

OEL-BELGIUM:TWA 5 mg/m³

OEL-DENMARK:TWA 5 mg/m³

OEL-FINLAND:TWA 5 mg/m³;STEL 10 mg/m³;Skin

OEL-FRANCE:TWA 5 mg/m³

OEL-THE NETHERLANDS:TWA 5 mg/m³

OEL-RUSSIA:STEL 0.5 mg/m³

OEL-SWEDEN:TWA 3 mg/m³;STEL 5 mg/m³

OEL-SWITZERLAND:TWA 5 mg/m³

OEL-UNITED KINGDOM:TWA 5 mg/m³;STEL 10 mg/m³ JAN9

OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV

OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

US FEDERAL

TSCA

CAS# 84-66-2 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

N/A

